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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet 1 of 4

Complete if Known

Application Number	PCT/US02/39275
Filing Date	December 7th, 2002
First Named Inventor	Richard A. Mowery, J
Art Unit	
Examiner Name	
Attorney Docket Number	

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 4,471,399 - A	9-11-1984	Udren; Eric A.	
		US- 4,614,945 - A	9-30-1986	Brunius et al.	
		US- 4,799,059 - A	1-17-1989	Grindahl et al.	
		US- 5,485,150 - A	1-16-1996	Hisanaga et al.	
		US- 5,553,094 - A	9-03-1996	Johnson et al.	
		US- 5,554,968 - A	9-10-1996	Lee; Raymond	
		US- 5,559,377 - A	9-24-1996	Abraham; Charles	
		US- 5,633,888 - A	5-27-1997	Stewart, Brett B.	
		US- 5,670,931 - A	9-23-1997	Besser et al.	
		US- 5,684,450 - A	11-04-1997	Brown; Paul Anthony	
		US- 5,818,828 - A	10-06-1998	Packer et al.	
		US- 5,864,284 - A	01-26-1999	Sanderson; Lelon	
		US- 5,937,342 - A	08-10-1999	Kline; Paul A.	
		US- 5,949,327 - A	09-07-1999	Brown; Paul Anthony	
		US- 5,952,914 - A	09-14-1999	Wynn; Woodson Dale	
		US- 5,982,276 - A	11-09-1999	Stewart; William L.	
		US- 5,983,073 - A	11-09-1999	Ditzik; Richard J.	
		US- 5,994,998 - A	11-30-1999	Fisher et al.	
		US- 6,006,212 - A	12-21-1999	Schleich et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				

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Sheet 2

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		Number-Kind Code ² (if known)			
		US- 6,035,199 - A	03-07-2000	Barnett; Charles A.	
		US- 6,040,759 - A	03-21-2000	Sanderson; Lelon W.	
		US- 6,085,091 - A	07-04-2000	Yoo et al.	
		US- 6,130,896 - A	10-20-2000	Luecker et al.	
		US- 6,140,911 - A	10-31-2000	Fisher et al.	
		US- 6,154,488 - A	11-28-2000	Hunt; Paul C.	
		US- 6,172,597 - B1	01-09-2001	Brown; Paul A.	
		US- 6,243,571 - B1	06-05-2001	Bullock et al.	
		US- 6,275,144 - B1	08-14-2001	Rumbaugh; Stephen R.	
		US- 6,278,877 - B1	08-21-2001	Brederveld et al.	
		US- 6,144,292 - A1	11-07-2000	Brown; Paul A.	
		US- 6,327,470 - B1	12-04-2001	Ostling; Ralph	
		US- 6,360,100 - B1	03-19-2002	Grob et al.	
		US- 6,366,561 - B1	04-02-2002	Bender; Paul E.	
		US- 6,377,805 - B1	04-23-2002	Anvekar et al.	
		US- 6,492,897	12-10-2002	Mowery; Richard A.	
		US- 4,307,380	12-22-1981	Gander; Jean-Gabriel	
		US- 4,644,321	02-17-1987	Kennon; Jerry M.	
		US- 4,772,870	09-20-1988	Reyes; Ronald R.	

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Examiner Name	

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²

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